

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. 016907/1016		SERIAL NO. <u>09/461,771</u> Unassigned	
INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>					APPLICANT Kenichi KOMIYA et al.			
					FILING DATE December 15, 1999		GROUP ART UNIT <u>2861</u> Unassigned	
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
<u>HP</u>	A1	5,432,537	07/1995	Imakawa et al.	347	133 135		
	A2	5,220,348	06/1993	D'Aurelio	346 347	78 236		
	A3	4,404,571	09/1983	Kitamura	346 347	108 235		
	A4	4,823,151	04/1989	Miura	346 347	160 235		
<u>HP</u>	A5	5,359,434	10/1994	Nakao et al.	358	481		
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
<u>HP</u>	A6	5-188739	07/1993	Japan	—	—		Abstract
	A7	10-76704	03/1998	Japan	—	—		Abstract
	A8	9-314901	12/1997	Japan	—	—		Abstract
	A9	9-258125	10/1997	Japan	—	—		Abstract
	A10	1-105268	04/1989	Japan	—	—		Abstract
	A11	10-209545	08/1998	Japan	—	—		Abstract
<u>HP</u>	A12	6-64220	03/1994	Japan	—	—		Abstract
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
EXAMINER <u>Barth P. Hawn</u>					DATE CONSIDERED <u>5/10/03</u>			
* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.								